

INTERNATIONAL SEARCH REPORT

ational Application No
PCT/US2004/042943

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/02 A61K7/043 A61K7/075 A61K7/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 4 849 212 A (GLANDORF ET AL) 18 July 1989 (1989-07-18) column 2, lines 36-57 -----	1-34, 37, 38 35, 36
X A	US 3 711 308 A (BRAND D, DT ET AL) 16 January 1973 (1973-01-16) claim 1; example 7 -----	1-34, 37, 38 35, 36
X A	US 3 840 381 A (WATANABE A, JA) 8 October 1974 (1974-10-08) claim 1; abstract -----	1-34, 37, 38 35, 36
X A	US 6 190 445 B1 (NOGUCHI TAMIO) 20 February 2001 (2001-02-20) column 3, lines 23-39; abstract -----	1-34, 37, 38 35, 36
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

5 April 2005

Date of mailing of the international search report

25/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6 056 815 A (FU ET AL) 2 May 2000 (2000-05-02) column 2, lines 41-52 -----	1-34, 37, 38 35, 36
X A	GB 2 310 850 A (* COOKSON MATTHEY CERAMICS PLC) 10 September 1997 (1997-09-10) page 4, line 22 - page 5, line 21 -----	1-34, 37, 38 35, 36
P, X P, A	US 2004/087668 A1 (SCHMUCKER-CASTNER JULIE F ET AL) 6 May 2004 (2004-05-06) claims 26, 46 -----	1-34, 37, 38 35, 36

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/042943

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4849212	A	18-07-1989	GB 2197196 A	18-05-1988
US 3711308	A	16-01-1973	DE 1959998 A1	08-07-1971
			AT 306888 B	25-04-1973
			BE 759469 A1	26-05-1971
			CA 926555 A1	22-05-1973
			CH 563441 A5	30-06-1975
			DK 132092 B	20-10-1975
			ES 385979 A1	01-05-1973
			FR 2072300 A5	24-09-1971
			GB 1268177 A	22-03-1972
			IL 35377 A	25-10-1973
			JP 49049173 B	25-12-1974
			NL 7013988 A , B,	02-06-1971
			NO 129530 B	22-04-1974
			PL 81134 B1	30-08-1975
			RO 57557 A1	15-02-1975
			ZA 7006361 A	27-05-1971
US 3840381	A	08-10-1974	NONE	
US 6190445	B1	20-02-2001	BR 9805950 A	31-08-1999
			CA 2254971 A1	24-09-1998
			DE 69815628 D1	24-07-2003
			DE 69815628 T2	29-04-2004
			EP 0914387 A1	12-05-1999
US 6056815	A	02-05-2000	AT 246225 T	15-08-2003
			AU 4287800 A	02-01-2001
			CN 1352669 A	05-06-2002
			DE 60004188 D1	04-09-2003
			DE 60004188 T2	22-04-2004
			WO 0077099 A1	21-12-2000
			EP 1165698 A1	02-01-2002
			JP 2003502472 T	21-01-2003
GB 2310850	A	10-09-1997	NONE	
US 2004087668	A1	06-05-2004	US 6635702 B1	21-10-2003
			AU 5759201 A	23-10-2001
			BR 0109990 A	23-03-2004
			CA 2405222 A1	18-10-2001
			CN 1422147 A	04-06-2003
			CZ 20023712 A3	12-02-2003
			EP 1272159 A2	08-01-2003
			JP 2003530446 T	14-10-2003
			MX PA02009941 A	12-02-2003
			WO 0176552 A2	18-10-2001
			ZA 200208119 A	17-07-2003